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Advanced Keyword Query for: dipeptidyl peptidase IV

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☒ 2bub



CRYSTAL STRUCTURE OF HUMAN DIPEPTIDYL PEPTIDASE IV (CD26) IN COMPLEX WITH A REVERSED AMIDE INHIBITOR



Characteristics

Release Date: 23-Jan-2006 Exp. Method: Resolution: 2.66 Å

Classification

Complex (hydrolase/ inhibitor)

Compound

Polymer: 1 Molecule: DIPEPTIDYL PEPTIDASE IV  
Fragment: EXTRACELLULAR DOMAIN

39-766 Chains: A,B EC no.: 3.4.14.5 Nordhoff, S., Gerezo-Galvez, S., Fe O., Matassa, V.G., Metz, G., Rumm C., Thiemann, M., Edwards, P.J.

Authors

☒ 2ogz



Crystal structure of DPP-IV complexed with Lilly aryl ketone inhibitor



Characteristics

Release Date: 06-Mar-2007 Exp. Method: Resolution: 2.10 Å

Classification

Hydrolase

Compound

Polymer: 1 Molecule: Dipeptidyl peptidase IV  
Fragment: DPP-IV extracellular domain

766 Chains: A,B EC no.: 3.4.14.5

Authors

Timm, D.E.

☒ 2oqi



Human Dipeptidyl Peptidase IV (DPP4) with Piperidinone-constrained phenethylamine

Characteristics

Release Date: 03-Apr-2007 Exp. Method: Resolution: 2.80 Å

Classification

Hydrolase

**Compound**

Polymer: **1** Molecule: **Dipeptidyl peptidase (Dipeptidyl peptidase IV) (DPP IV) (T-antigen CD26) (TP103) (Adenosine de complexing protein 2) (ADABP)** Chain

EC no.: 3.4.14.5

Pei, Z., Li, X., von Geldern, T.W., L. K.L., Pireh, D., Stewart, K.D., Back C., Lubben, T.H., Bailaron, S.J., Be D.W., Kempf-Grote, A.J., Sham, H.L., Trevillyan, J.M.

**Authors**☒ 2gbi

rat DPP-IV with xanthine inhibitor

**Characteristics**Release Date: **04-Jul-2006** Exp. Method:Resolution: **3.30 Å****Classification**

Hydrolase

**Compound**

Polymer: **1** Molecule: **Dipeptidyl peptidase Fragment: Dipeptidyl Peptidase Soluble (residues 38-767)** Chains: **A,B** EC no.

**Authors**

Longenecker, K.L., Jakob, C.G., Fry S.

☒ 1plq

crystal structure of human apo dipeptidyl peptidase IV / CD26

Release Date: **01-Jul-2003** Exp. Method:Resolution: **1.90 Å****Characteristics****Classification**

Hydrolase

**Compound**

Polymer: **1** Molecule: **Dipeptidyl peptidase form** Chains: **A,B** EC no. 3.4.14.5

**Authors**

Oefner, C., D'Arcy, A., Mac Sweeney A., Pierau, S., Gardiner, R., Dale, C.

☒ 1tk3

Crystal Structure Of Human Apo Dipeptidyl Peptidase IV/ CD26

Release Date: **06-Jul-2004** Exp. Method:Resolution: **2.00 Å****Characteristics****Classification**

Hydrolase

**Compound**

Polymer: **1** Molecule: **Dipeptidyl peptidase Fragment: Extracellular domain** Chains no.: 3.4.14.5

Polymer: **2** Molecule: **SUGAR (3-MER)**Polymer: **3** Molecule: **SUGAR (3-MER)**Polymer: **4** Molecule: **SUGAR (2-MER)**Polymer: **5** Molecule: **SUGAR (3-MER)**Polymer: **7** Molecule: **SUGAR (2-MER)**Polymer: **8** Molecule: **SUGAR (3-MER)**Polymer: **9** Molecule: **SUGAR (2-MER)****Authors**

Bjelke, J.P., Christensen, J., Brann S., Wagtmann, N., Olsen, C., Knast A.B., Rasmussen, H.B.

1tkr

Human Dipeptidyl Peptidase  
IV/ CD28 inhibited with Diisopropyl  
Fluorophosphate**Characteristics**

Release Date: 06-Jul-2004 Exp. Method:

Resolution: 2.70 Å

**Classification**

Hydrolase

Polymer: 1 Molecule: Dipeptidyl peptida  
Fragment: Extracellular domain Chains:

no.: 3,4,14,5

**Compound**

Polymer: 2 Molecule: SUGAR (3-MER)

Polymer: 3 Molecule: SUGAR (3-MER)

Polymer: 4 Molecule: SUGAR (2-MER)

Polymer: 5 Molecule: SUGAR (3-MER)

Polymer: 6 Molecule: SUGAR (2-MER)

Polymer: 8 Molecule: SUGAR (2-MER)

Polymer: 9 Molecule: SUGAR (3-MER)

Polymer: 10 Molecule: SUGAR (2-MER)

**Authors**Bjelke, J.R., Christensen, J., Brann  
S., Wagtmann, N., Olsen, C., Kanst  
A.B., Rasmussen, H.B.

1u8e

HUMAN DIPEPTIDYL PEPTIDASE  
IV/ CD28 MUTANT Y547F**Characteristics**

Release Date: 17-Aug-2004 Exp. Method:

Resolution: 2.20 Å

**Classification**

Hydrolase

Polymer: 1 Molecule: Dipeptidyl peptida  
Fragment: EXTRACELLULAR DOMAIN

Mutation: Y547F Chains: A,B EC no.: 3

**Compound**

Polymer: 2 Molecule: SUGAR (3-MER)

Polymer: 3 Molecule: SUGAR (3-MER)

Polymer: 4 Molecule: SUGAR (2-MER)

Polymer: 5 Molecule: SUGAR (3-MER)

Polymer: 6 Molecule: SUGAR (2-MER)

Polymer: 8 Molecule: SUGAR (3-MER)

Polymer: 9 Molecule: SUGAR (3-MER)

Polymer: 10 Molecule: SUGAR (2-MER)

**Authors**Bjelke, J.R., Christensen, J., Brann  
S., Wagtmann, N., Olsen, C., Kanst  
A.B., Rasmussen, H.B.

2gbg

rat DPP-IV with aikynyl  
cyanopyrrolidine #2**Characteristics**

Release Date: 04-Jul-2006 Exp. Method:

Resolution: 3.00 Å

**Classification**

Hydrolase

**Compound**Polymer: 1 Molecule: Dipeptidyl peptida  
Fragment: Dipeptidyl Peptidase 4 Solut  
(Residues 38-767) Chains: A,B EC

no.: 3,4,14,5

**Authors**Longenecker, K.L., Jakob, C.G., Fry  
S.

Human Dipeptidyl Peptidase

☒ 1q1q


1V/ CD26 in complex with an inhibitor


**Characteristics**

Release Date: 27-Dec-2002 Exp. Method:

Resolution: 2.50 Å

**Classification**

Hydrolase


 Polymer: 1 Molecule: Dipeptidyl peptidase  
 SOLUBLE FORM Fragment Extracellular

Chains A,B EC no.: 3.4.14.5

Polymer: 2 Molecule: NAG-NAG-FUC

Polymer: 3 Molecule: SUGAR (3-MER)

Polymer: 4 Molecule: NAG-NAG

Polymer: 5 Molecule: NAG-NAG-MAN

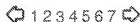
Polymer: 7 Molecule: NAG-FUC

Polymer: 8 Molecule: SUGAR (2-MER)

Polymer: 9 Molecule: SUGAR (3-MER)

Polymer: 10 Molecule: SUGAR (2-MER)

**Authors**

 Rasmussen, H.B., Branner, S., Wib  
 F.C., Wagmann, N.R.


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